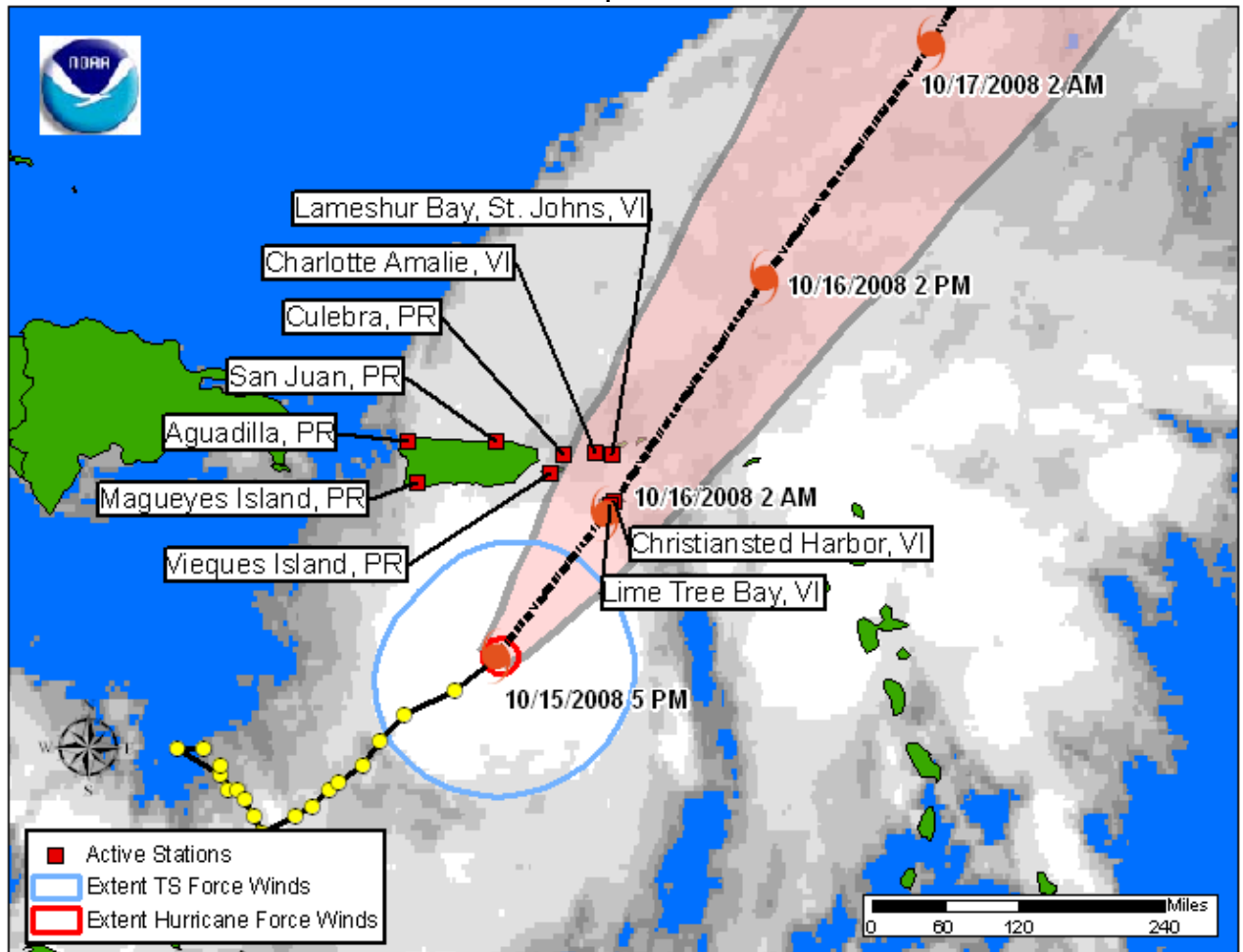




Hurricane OMAR QuickLook
Posted: 18:00 AST 10/15/2008

NOAA and NOAA Partnership Stations Relative to the Storm



Storm Analysis

As of 10/15/2008 18:00 AST, water levels in Puerto Rico and the U.S. Virgin Islands are rising and range 0.3-0.7 ft above predicted. Wind speeds are currently below 15 knots. Maximum gusts are 18 knots. Barometric pressure ranges from 1,006.0 to 1007.5 mb.

Water Level and Meteorological plots available below are updated automatically. Water level predictions relative to Mean Lower Low Water are:

Lime Tree Bay, VI: Next predicted high tide is 1.0 ft (0.3 m) at 10/16/2008 11:18 AST.

Christiansted Harbor, St. Croix, VI: Next predicted high tide is 1.1 ft (0.3 m) at 10/16/2008 08:35 AST.

Lameshur Bay, St. Johns, VI: Next predicted high tide is 0.3 ft (0.1 m) at 10/15/2008 20:10 AST.

Charlotte Amalie, VI: Next predicted high tide is 1.2 ft (0.4m) at 10/16/2008 10:32 AST.

Culebra, PR: Next predicted high tide is 0.8 ft (0.2 m) at 10/15/2008 20:17 AST.

Vieques Island, PR: Next predicted high tide is 0.8 ft (0.2 m) at 10/16/2008 09:54 AST.

Magueyes Island, PR: Next predicted high tide is 0.1 ft (0.3 m) at 10/16/2008 11:27 AST.

Aguadilla, PR: Next predicted high tide is 1.0 ft (0.3 m) at 10/15/2008 20:16 AST.

San Juan, PR: Next predicted high tide is 1.3 ft (0.4 m) at 10/15/2008 20:51 AST.

For additional data, please see the [Center for Operational Oceanographic Products & Services](#) website. For more information or archived products and reports, please see the [Storm QuickLook Homepage](#).

Analyst: KG

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SELECT NATIONAL HURRICANE CENTER ADVISORY INFORMATION:

HURRICANE OMAR ADVISORY NUMBER 10

500 PM AST WED OCT 15 2008

OMAR CONTINUES TO STRENGTHEN AS IT MOVES CLOSER TO THE NORTHERN LEEWARD ISLANDS.

HEAVY RAINBANDS ALREADY AFFECTING THE VIRGIN ISLANDS.

A HURRICANE WARNING IS IN EFFECT FOR THE U.S. VIRGIN ISLANDS AND THE ISLANDS OF VIEQUES AND CULEBRA.

A HURRICANE WARNING IS ALSO IN EFFECT FOR ST. MARTIN/MAARTEN SABA ST. EUSTATIUS ST. BARTHELEMY THE BRITISH VIRGIN ISLANDS AND ANGUILLA.

A HURRICANE WARNING MEANS THAT HURRICANE CONDITIONS ARE EXPECTED WITHIN THE WARNING AREA WITHIN THE NEXT 24 HOURS. PREPARATIONS TO PROTECT LIFE AND PROPERTY SHOULD BE RUSHED TO COMPLETION.

A HURRICANE WATCH AND A TROPICAL STORM WARNING REMAIN IN EFFECT FOR PUERTO RICO AND ALSO FOR THE ISLANDS OF ST. KITTS AND NEVIS.

A HURRICANE WATCH MEANS THAT HURRICANE CONDITIONS ARE POSSIBLE WITHIN THE WATCH AREA IN THIS CASE..WITHIN THE NEXT 24 HOURS.

A TROPICAL STORM WARNING IS IN EFFECT FOR ANTIGUA BARBUDA AND MONTSERRAT.

A TROPICAL STORM WARNING MEANS THAT TROPICAL STORM CONDITIONS ARE EXPECTED WITHIN THE WARNING AREA WITHIN THE NEXT 24 HOURS.

A TROPICAL STORM WATCH IS IN EFFECT FOR GUADELOUPE.

FOR STORM INFORMATION SPECIFIC TO YOUR AREA INCLUDING POSSIBLE INLAND WATCHES AND WARNINGS PLEASE MONITOR PRODUCTS ISSUED BY YOUR LOCAL WEATHER OFFICE.

AT 500 PM AST THE CENTER OF HURRICANE OMAR WAS LOCATED BY AN AIR FORCE RESERVE UNIT HURRICANE HUNTER AIRCRAFT ABOUT 150 MILES SOUTHWEST OF ST. CROIX AND ABOUT 175 MILES SOUTH OF SAN JUAN PUERTO RICO.

OMAR IS MOVING TOWARD THE NORTHEAST NEAR 15 MPH 24. A GRADUAL INCREASE IN FORWARD SPEED IS EXPECTED OVER THE NEXT DAY OR TWO. ON THE FORECAST TRACK OMAR IS EXPECTED TO MOVE THROUGH THE NORTHERN LEEWARD ISLANDS LATE TONIGHT AND EARLY THURSDAY.

DATA FROM A HURRICANE HUNTER AIRCRAFT INDICATE MAXIMUM SUSTAINED WINDS HAVE INCREASED TO NEAR 90 MPH WITH HIGHER GUSTS.

OMAR IS A CATEGORY ONE HURRICANE ON THE SAFFIR-SIMPSON SCALE. ADDITIONAL STRENGTHENING IS FORECAST DURING THE NEXT 24 HOURS AND OMAR SHOULD BE A CATEGORY 2 HURRICANE BY THE TIME IT REACHES THE NORTHERN LEEWARD ISLANDS. ALSO STRONGER WINDS ESPECIALLY IN GUSTS ARE LIKELY OVER ELEVATED TERRAIN.

HURRICANE FORCE WINDS EXTEND OUTWARD UP TO 15 MILES FROM THE CENTER AND TROPICAL STORM FORCE WINDS EXTEND OUTWARD UP TO 115 MILES.

THE MINIMUM CENTRAL PRESSURE RECENTLY REPORTED BY A HURRICANE HUNTER AIRCRAFT WAS 973 MB.

OMAR IS EXPECTED TO PRODUCE TOTAL RAINFALL AMOUNTS OF 4 TO 8 INCHES OVER PORTIONS OF THE NETHERLANDS ANTILLES WITH MAXIMUM AMOUNTS OF 12 INCHES POSSIBLE. RAINFALL AMOUNTS OF 2 TO 4 INCHES WITH MAXIMUM AMOUNTS OF 6 INCHES ARE POSSIBLE ACROSS THE NORTHERN GUAJIRA PENINSULA. TOTAL RAINFALL AMOUNTS OF 5 TO 10 INCHES WITH MAXIMUM AMOUNTS UP TO 20 INCHES WILL BE POSSIBLE ACROSS PUERTO RICO AND THE NORTHERN LEEWARD ISLANDS. THESE RAINS COULD PRODUCE LIFE-THREATENING FLASH FLOODS AND MUD SLIDES.

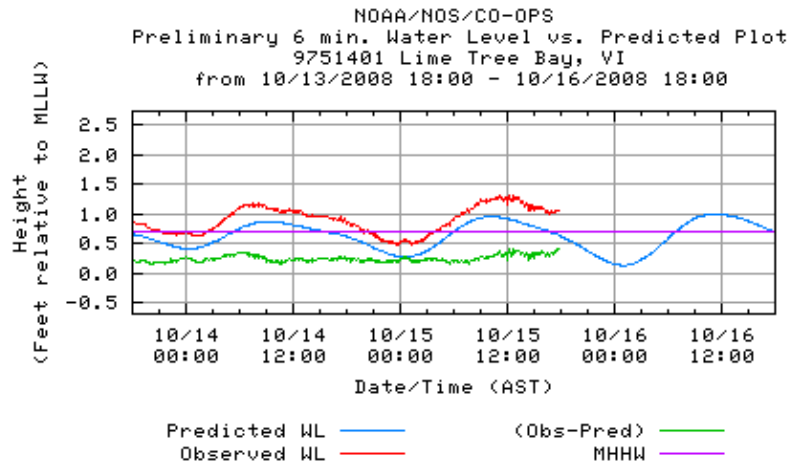
COASTAL STORM SURGE FLOODING OF 1 TO 2 FEET ABOVE NORMAL TIDE LEVELS ALONG WITH LARGE AND DANGEROUS BATTERING WAVES CAN BE EXPECTED NEAR AND TO THE RIGHT OF THE PATH OF OMAR. IN ADDITION OMAR IS EXPECTED TO PRODUCE LARGE SWELLS THAT WILL AFFECT THE WEST- AND SOUTH-FACING COASTS OF PUERTO RICO AND THE ISLANDS OF THE LESSER ANTILLES. THESE SWELLS COULD CAUSE BEACH EROSION AND DAMAGE TO COASTAL STRUCTURES.

FORECASTER STEWART

For the purpose of timely release, data contained within this QuickLook have undergone a "limited" NOS Quality Assurance/Control; however, the data have not yet undergone final verification. All data subject to NOS verification.

Jump to: [Lime Tree Bay - Water Level](#), [Lime Tree Bay - Barometric](#), [Christiansted Harbor, St Croix - Water Level](#), [Christiansted Harbor, St Croix - Winds](#), [Christiansted Harbor, St Croix - Barometric](#), [Lameshur Bay, St. John - Water Level](#), [Lameshur Bay, St. John - Barometric](#), [Charlotte Amalie - Water Level](#), [Charlotte Amalie - Winds](#), [Charlotte Amalie - Barometric](#), [Culebra - Water Level](#), [Esperanza, Vieques Island - Water Level](#), [Maqueyes Island - Water Level](#), [Maqueyes Island - Winds](#), [Maqueyes Island - Barometric](#), [Aguadilla - Water Level](#), [San Juan - Water Level](#), [San Juan - Winds](#), [San Juan - Barometric](#),

Lime Tree Bay, VI - Station Map [Return to List](#)

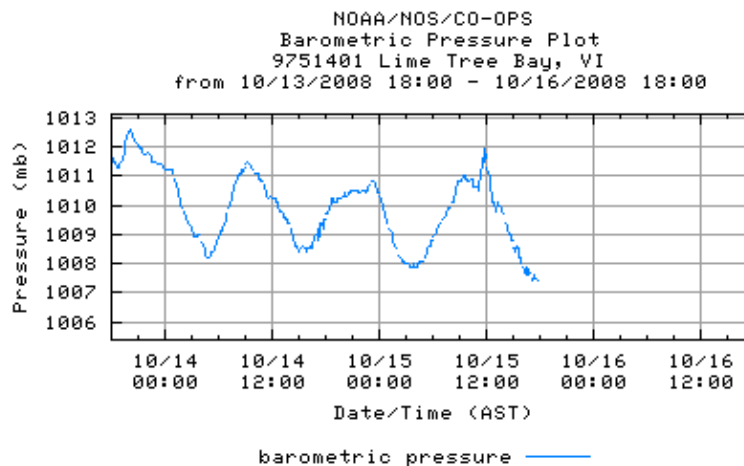


Last Observed Sample: 10/15/2008 17:42 (AST)

Relative to **MLLW**: **Observed: 1.06 ft.** **Predicted: 0.65 ft.** **Residual: 0.41 ft.**

Historical Maximum Water Level: 11/17/1999, 1.88 ft. above **MHHW**

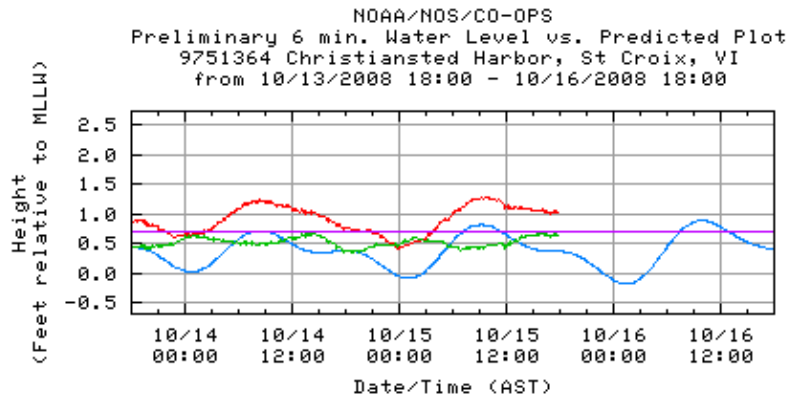
Lime Tree Bay, VI - Station Map [Return to List](#)



Last Observed Sample: 10/15/2008 17:42 (AST)

Barometric Pressure: 1007.4 mb

Christiansted Harbor, St Croix, VI - [Station Map](#) [Return to List](#)

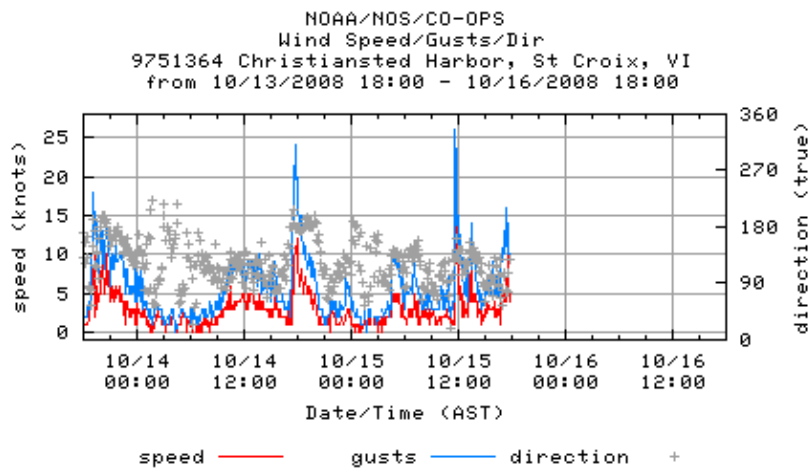


Last Observed Sample: 10/15/2008 17:42 (AST)

Relative to **MLLW**: **Observed: 1.02 ft.** **Predicted: 0.38 ft.** **Residual: 0.64 ft.**

Historical Maximum Water Level: 10/13/2006, 0.73 ft. above **MHHW**

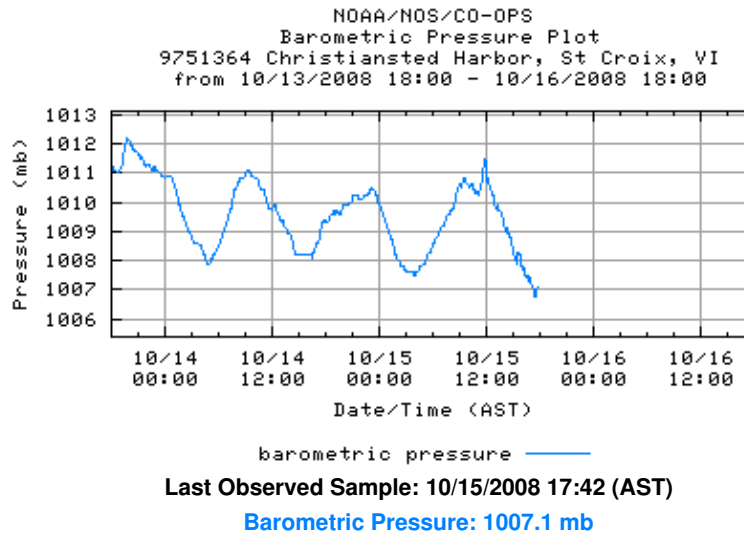
Christiansted Harbor, St Croix, VI - [Station Map](#) [Return to List](#)



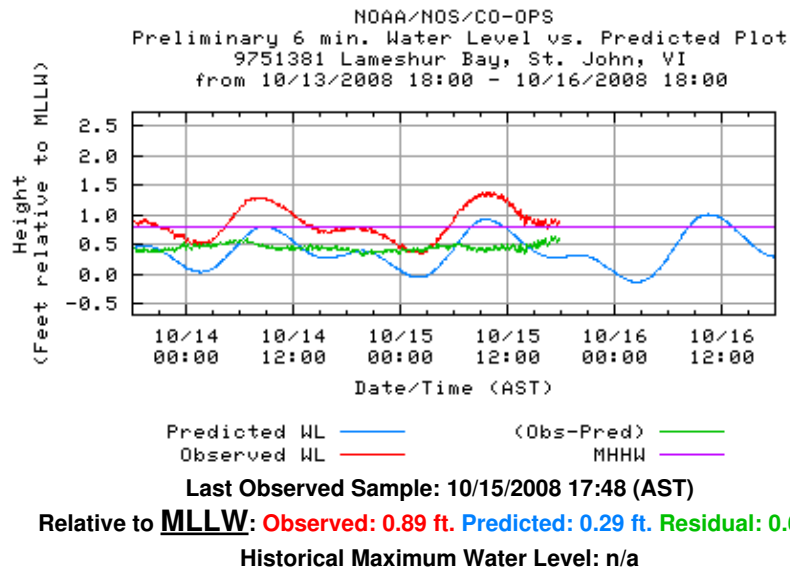
Last Observed Sample: 10/15/2008 17:42 (AST)

Wind Speed: 4 knots **Gusts: 10 knots** **Direction: 129° T**

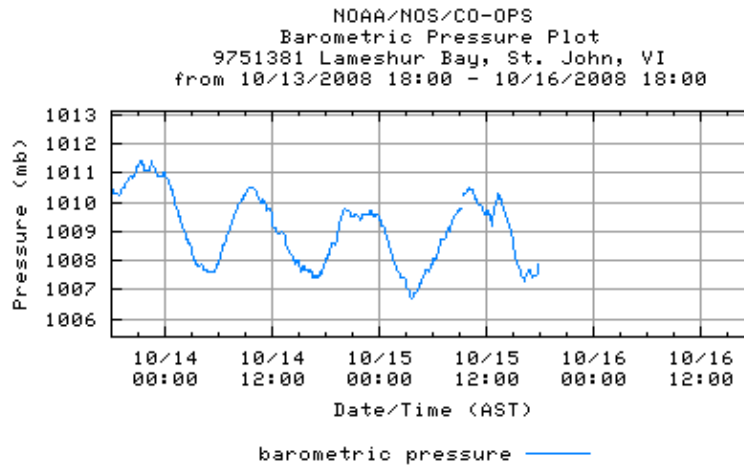
Christiansted Harbor, St Croix, VI - Station Map [Return to List](#)



Lameshur Bay, St. John, VI - Station Map [Return to List](#)



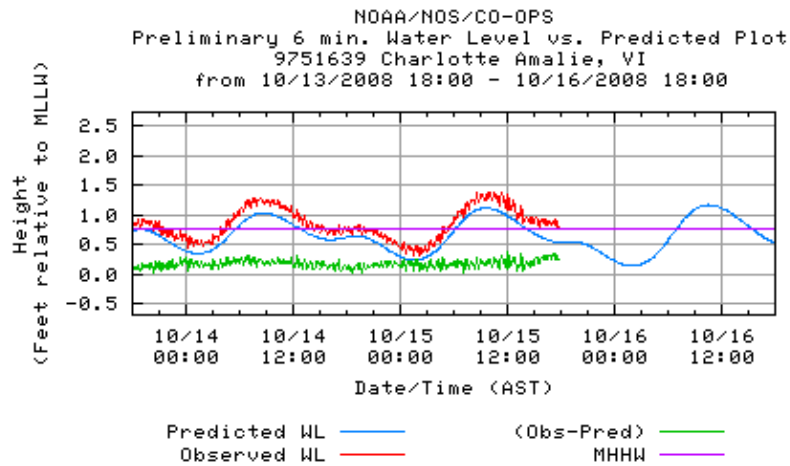
Lameshur Bay, St. John, VI - [Station Map](#) [Return to List](#)



Last Observed Sample: 10/15/2008 17:48 (AST)

Barometric Pressure: 1007.9 mb

Charlotte Amalie, VI - [Station Map](#) [Return to List](#)

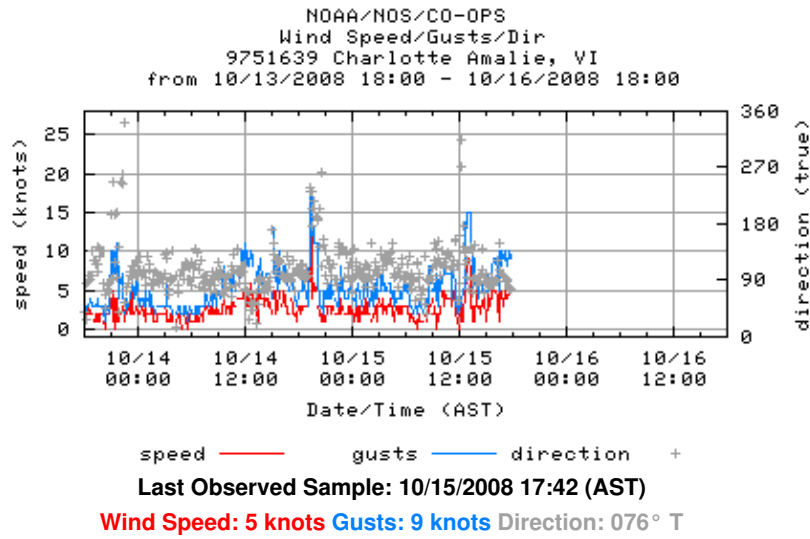


Last Observed Sample: 10/15/2008 17:42 (AST)

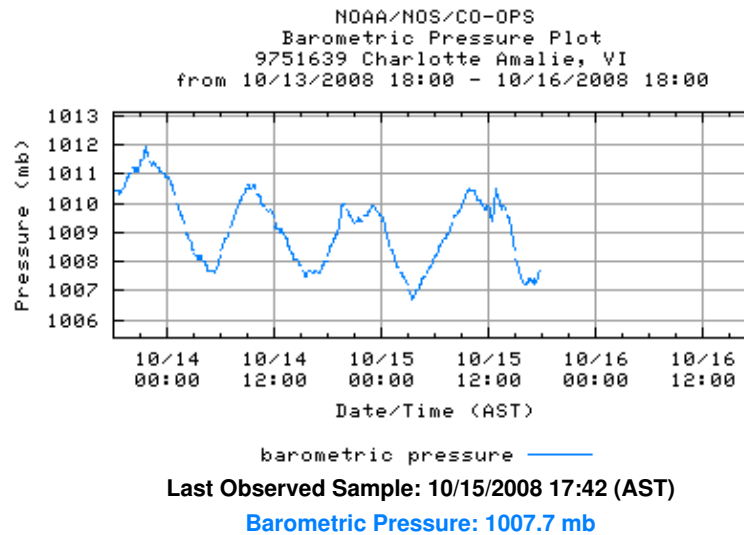
Relative to **MLLW**: **Observed: 0.81 ft.** **Predicted: 0.55 ft.** **Residual: 0.26 ft.**

Historical Maximum Water Level: 09/16/1995, 2.93 ft. above **MHHW**

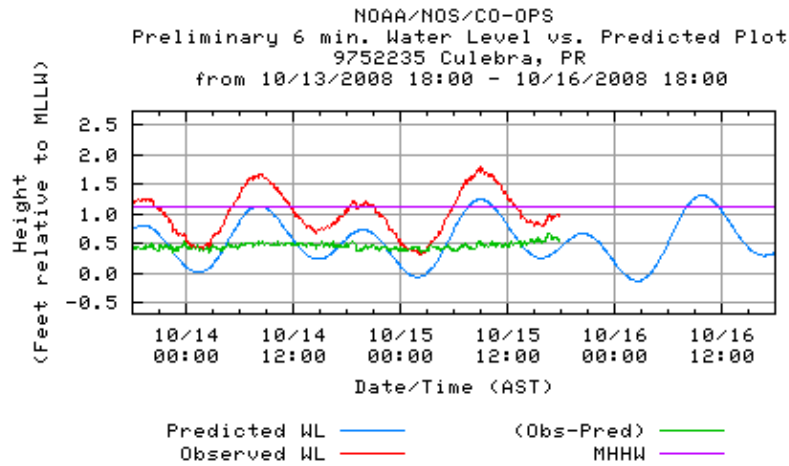
Charlotte Amalie, VI - Station Map [Return to List](#)



Charlotte Amalie, VI - Station Map [Return to List](#)



Culebra, PR - Station Map [Return to List](#)

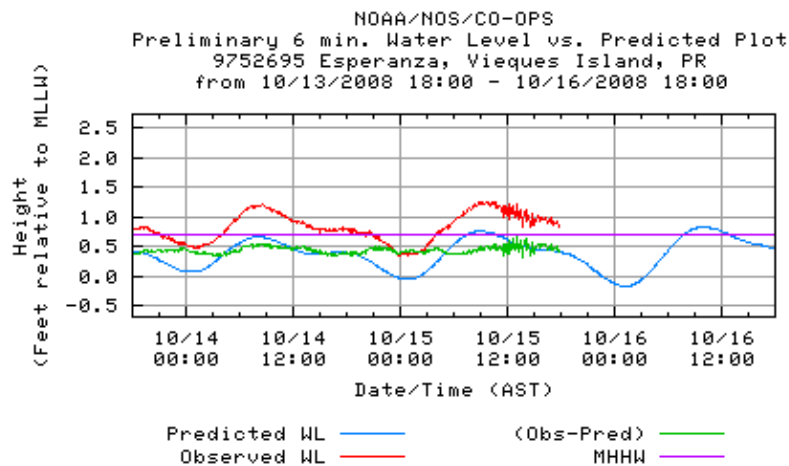


Last Observed Sample: 10/15/2008 17:48 (AST)

Relative to **MLLW**: **Observed: 0.99 ft. Predicted: 0.42 ft. Residual: 0.57 ft.**

Historical Maximum Water Level: 11/06/2006, 0.86 ft. above **MHHW**

Esperanza, Vieques Island, PR - Station Map [Return to List](#)

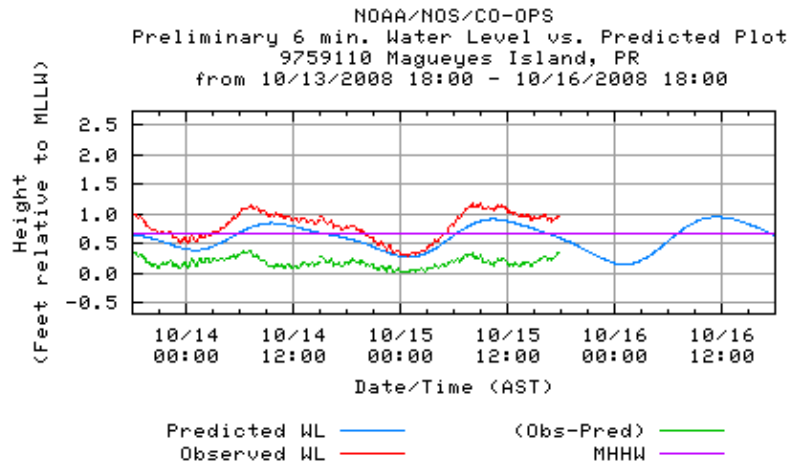


Last Observed Sample: 10/15/2008 17:48 (AST)

Relative to **MLLW**: **Observed: 0.83 ft. Predicted: 0.42 ft. Residual: 0.41 ft.**

Historical Maximum Water Level: 10/13/2006, 0.83 ft. above **MHHW**

Maguëyes Island, PR - Station Map [Return to List](#)

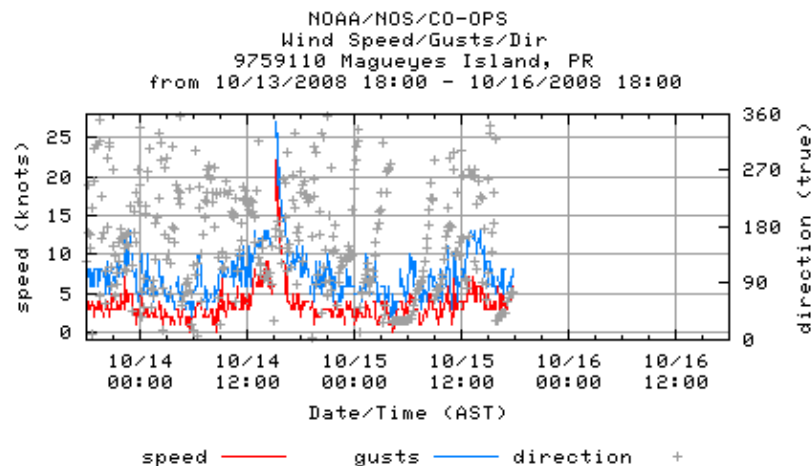


Last Observed Sample: 10/15/2008 17:42 (AST)

Relative to **MLLW**: **Observed: 0.97 ft. Predicted: 0.61 ft. Residual: 0.36 ft.**

Historical Maximum Water Level: 09/22/1998, 1.6 ft. above **MHHW**

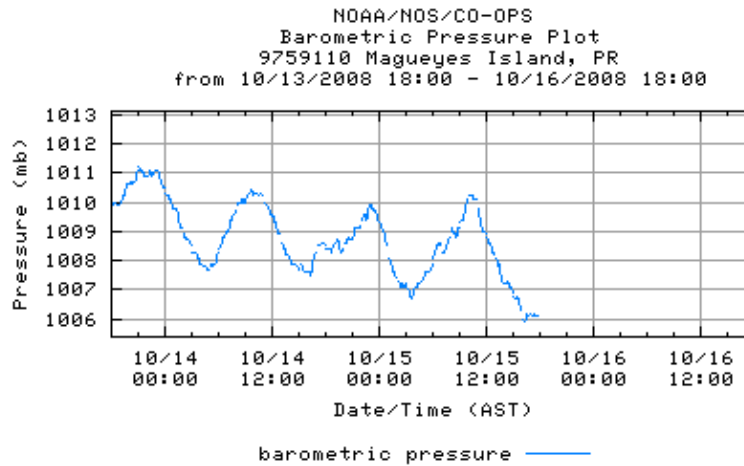
Maguëyes Island, PR - Station Map [Return to List](#)



Last Observed Sample: 10/15/2008 17:42 (AST)

Wind Speed: 6 knots Gusts: 8 knots Direction: 076° T

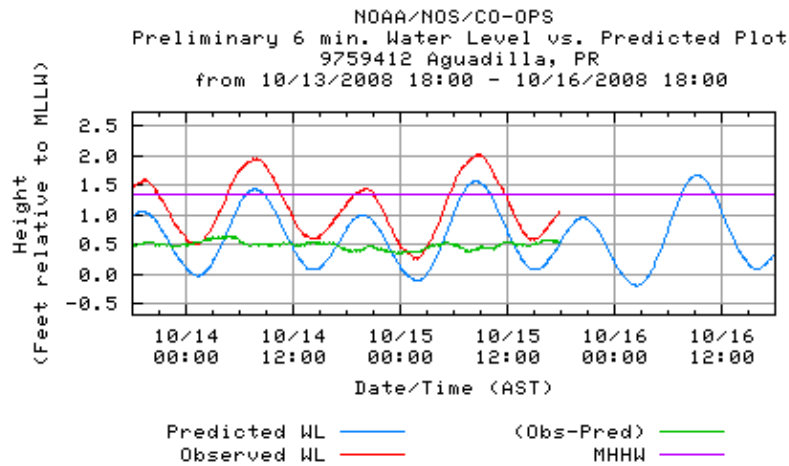
Maqueyes Island, PR - Station Map [Return to List](#)



Last Observed Sample: 10/15/2008 17:42 (AST)

Barometric Pressure: 1006.1 mb

Aguadilla, PR - Station Map [Return to List](#)

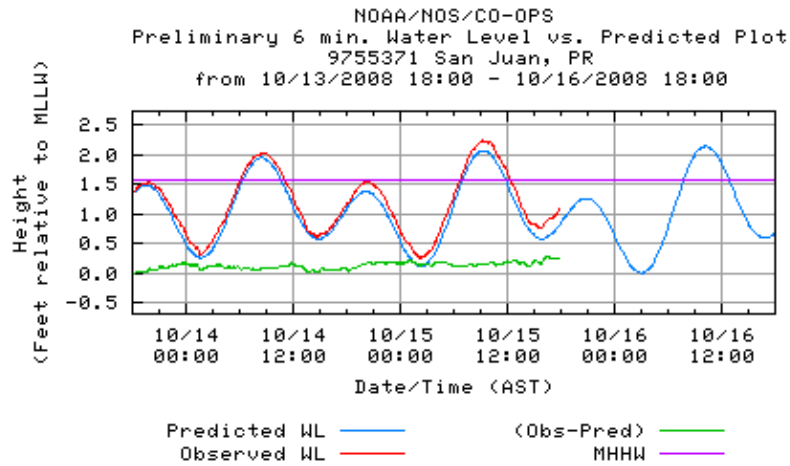


Last Observed Sample: 10/15/2008 17:48 (AST)

Relative to **MLLW**: **Observed: 1.06 ft.** **Predicted: 0.51 ft.** **Residual: 0.55 ft.**

Historical Maximum Water Level: 10/28/2007, 0.95 ft. above **MHHW**

San Juan, PR - Station Map [Return to List](#)

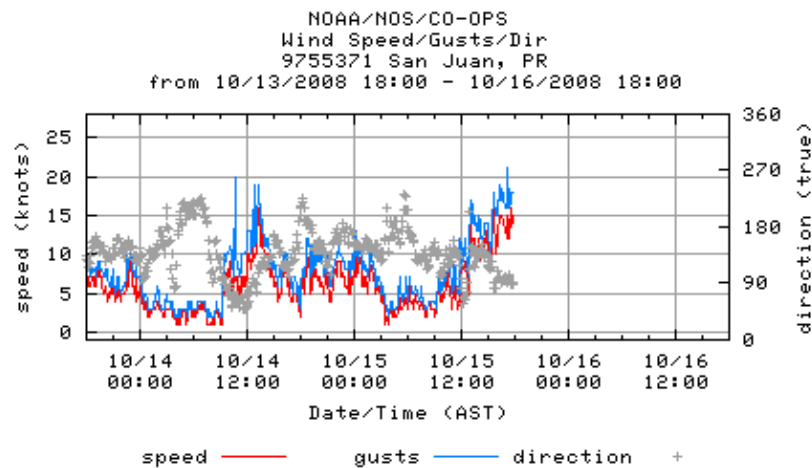


Last Observed Sample: 10/15/2008 17:48 (AST)

Relative to **MLLW**: **Observed: 1.08 ft. Predicted: 0.82 ft. Residual: 0.26 ft.**

Historical Maximum Water Level: 09/21/1998, 1.21 ft. above **MHHW**

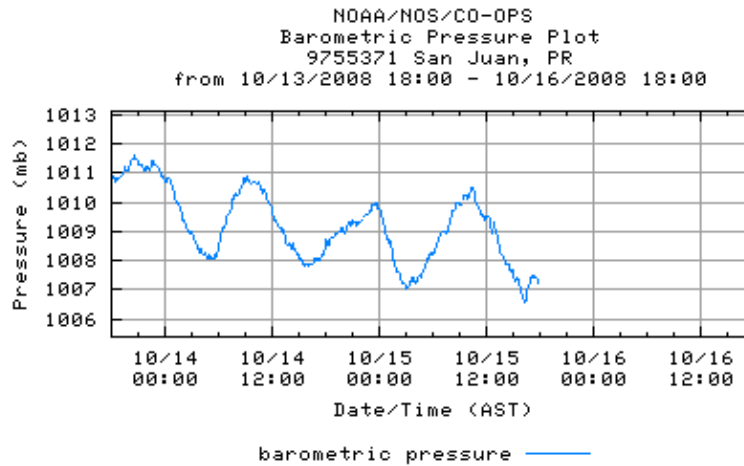
San Juan, PR - Station Map [Return to List](#)



Last Observed Sample: 10/15/2008 17:48 (AST)

Wind Speed: 14 knots Gusts: 18 knots Direction: 089° T

San Juan, PR - Station Map [Return to List](#)



Last Observed Sample: 10/15/2008 17:48 (AST)

Barometric Pressure: 1007.2 mb

Center for Operational Oceanographic Products & Services (CO-OPS) | National Ocean Service (NOS)
National Oceanic and Atmospheric Administration | U.S. Department of Commerce